

FORM PTO - 1449

## INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: GEN-001

APPLICANT(S): Chandra *et al.*

SERIAL NO.: 10/644,582

FILING DATE: August 20, 2003 GROUP: 2129

2129

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
C-0	A1	4,935,877	06/19/1990	Koza			
	A2	5,136,686	08/04/1992	Koza			
	A3	5,148,513	09/15/1992	Koza <i>et al.</i>			
	A4	5,343,554	08/30/1994	Koza <i>et al.</i>			
	A5	5,390,282	02/14/1995	Koza <i>et al.</i>			
	A6	5,742,738	04/21/1998	Koza <i>et al.</i>			
	A7	5,867,397	02/02/1999	Koza <i>et al.</i>			
	A8	6,058,385	05/02/2000	Koza <i>et al.</i>			
	A9	6,360,191	03/19/2002	Koza <i>et al.</i>			
	A10	6,424,959	07/23/2002	Bennett, III <i>et al.</i>			
	A11	6,532,453	03/11/2003	Koza <i>et al.</i>			
	A12	6,564,194	05/13/2003	Koza <i>et al.</i>			
	A13	6,594,587	06/15/2003	Askenazi			
	A14	6,665,669	12/16/2003	Han <i>et al.</i>			
	A15	2001/0016822	08/23/2001	Bessette			
	A16	2001/0047353	11/29/2001	Talib <i>et al.</i>			
	A17	2002/0002559	01/03/2002	Busa			
C-0	A18	2002/0049782	04/25/2002	Herzenberg, <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH (Y/N)

EXAMINER George Davis

DATE CONSIDERED

2/3/06



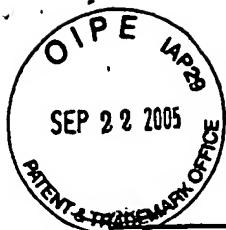
FORM TO - 1449 <b>INFORMATION DISCLOSURE STATEMENT</b>		<b>ATTORNEY DOCKET NO.: GEN-001</b> <b>APPLICANT(S): Chandra et al.</b> <b>SERIAL NO.: 10/644,582</b> <b>FILING DATE: August 20, 2003 GROUP: 2129</b>
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>		
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>	
C-9	C1	Center for Development of Advanced Computing, "Workshop on Genetic Algorithms in Bioinformatics," <a href="http://www.cdacindia.com/html/ecents/bioinfo/genetic/genidx.asp">http://www.cdacindia.com/html/ecents/bioinfo/genetic/genidx.asp</a> , pp. 1-6 (printed October 22, 2002).
	C2	Jansen, Ronald, "A Bayesian Networks Approach for Predicting Protein-Protein Interactions from Genomic Data," Science, vol. 302, pp. 449-453 (October 17, 2003).
	C3	Karp, Peter D., "The EcoCyc Database," pp. 1-6 (January 25, 2002).
	C4	Karp, Peter D., "Integrated Access to Metabolic and Genomic Data," pp. 1-32 (April 1, 1996).
	C5	Karp, Peter D., "The MetaCyc Database," pp. 1-7 (January 25, 2002).
	C6	Karp, Peter D., "Pathway Databases: A Case Study in Computational Symbolic Theories," Science, vol. 293, pp. 2040-44 (September 14, 2001).
	C7	Karp, Peter D., "The Pathway Tools Software," Bioinformatics, vol. 18 Suppl. 1 2002, pp. S1-S8 (2002).
	C8	Koza, John R., "Reverse Engineering and Automatic Synthesis of Metabolic Pathways From Observed Data Using Genetic Programming," pp. 1-53 (2000).
	C9	Koza, John R., "Reverse Engineering and Automatic Synthesis of Metabolic Pathways From Observed Data Using Genetic Programming," Symposium on Computational Discovery of Communicable Knowledge, pp. 1-63 (March 25, 2001)
	C10	Koza, John R., "Reverse Engineering and Automatic Synthesis of Metabolic Pathways From Observed Data Using Genetic Programming," Biomedical Informatics, pp. 1-12.
	C11	Rindfleisch, Thomas C., "Extracting Molecular Binding Relationships from Biomedical Text," pp. 188-95.
	C12	Stevens, Robert "Building a Reasonable Bioinformatics Ontology Using OIL," Department of Computer Science, University of Manchester, pp. 1-11.
	C13	Yen, John, "A Hybrid Approach to Modeling Metabolic Systems Using Genetic Algorithm and Simplex Method," pp. 1-42.
V	C14	Yen, John, "Using Fuzzy Logic and a Hybrid Genetic Algorithm for Metabolic Modeling," pp. 1-6.
C-0	C15	International Search Report for PCT/US2003/030653, mailed February 3, 2004.
<b>EXAMINER</b>	<i>George Davis</i>	
	<b>DATE CONSIDERED</b> <i>2/3/06</i>	



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<b>FORM PTO - 1449</b> <b>SUPPLEMENTAL INFORMATION</b> <b>DISCLOSURE STATEMENT</b>				<b>ATTORNEY DOCKET NO.: GEN-001</b> <b>APPLICANT(S):</b> Chandra et al. <b>SERIAL NO.:</b> 10/644,582 <b>FILING DATE:</b> August 20, 2003 <b>GROUP NO.:</b> 2121 2129					
<b>U.S. PATENT DOCUMENTS</b>									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
<b>FOREIGN PATENT DOCUMENTS</b>									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
G-8	B1	EP 1248231	10/09/02	EP			12/26/00	No	Yes
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
G-8	C16	Goldberg, David E., "Genetic and Evolutionary Algorithms Come of Age," Communications of the ACM, Vol. 37, No. 3, March 1994, pp. 113-119.							
EXAMINER	George Davis			DATE CONSIDERED			2/3/06		



SHEET 1 OF 1

FORM PTO - 1449  SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTORNEY DOCKET NO.: GEN-001  APPLICANT(S): Chandra <i>et al.</i> SERIAL NO.: 10/644,582 FILING DATE: August 20, 2003 GROUP NO.: 3121- <del>2129</del> 2129							
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTR Y CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLIS H LANG (Y/N)
G-9	B2	WO 02/11048 A2	02/07/2002	WO			07/31/2001	N	Y
L-8	B3	WO 03/067504 A2	08/14/2003	WO			02/03/2003	N	Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
G-9	C17	van Helden, Jacques, <i>et al.</i> , "Representing and Analysing Molecular and Cellular Function Using the Computer," <i>Biol. Chem.</i> , Vol. 381, pp. 921-935, September-October 2000.							
G-9	C18	Uetz, Peter, <i>et al.</i> , "Visualization and Integration of Protein-Protein Interactions," in Golemis E (ed.) <u>Protein-Protein Interactions – A Molecular Cloning Manual</u> , Cold Spring Harbor Laboratory Press (available at: <a href="http://itgmv1.fzk.de/www/itg/uetz/publications/Visualization.pdf">http://itgmv1.fzk.de/www/itg/uetz/publications/Visualization.pdf</a> ), 2002.							
EXAMINER	<i>George Davis</i>			DATE CONSIDERED		<i>2/3/06</i>			



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**THIRD SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT**

ATTORNEY DOCKET NO.: GEN-001

APPLICANT(S): Chandra et al.

SERIAL NO.: 10/644,582

FILING DATE: August 20, 2003

GROUP NO.: 2121-2129

**U.S. PATENT DOCUMENTS**

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
C-9	A19	2003/0074516	04/17/2003	Cho et al.			
C-9	A20	6,741,986	05/25/2004	Cho et al			
C-9	A21	6,772,160	08/03/2004	Cho et al.			
G-9	A22	5,914,891	06/22/1999	McAdams et al.			

**FOREIGN PATENT DOCUMENTS**

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTR Y CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLIS H LANG (Y/N)

**OTHER ART, JOURNAL ARTICLES, ETC.**

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)

EXAMINER

George Davis

DATE CONSIDERED

2/3/06